

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(s): Esteve-Soler, et al.

SERIAL NO.: 10/536,780

ART UNIT:

FILING DATE: May 26, 2005

EXAMINER:

TITLE: USE OF 2,5-DIHYDROXYBENZENESULFONIC COMPOUNDS  
FOR THE MANUFACTURE OF A MEDICAMENT

ATTORNEY

DOCKET NO.: 785-012247-US (PAR)

Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

**(37 C.F.R. §1.97(b)(3))**

Sir:

This information disclosure statement is being filed before the mailing of a first Office Action on the merits.

The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application. Applicants' Attorney is aware of the following references:

"Consequences of Reduced Production of NO on Vascular Reactivity of Porcine Coronary Arteries After Angioplasty: Importance of EDHF", Catherine Thollon, et al., British Journal of Pharmacology (2002) 136, 1153-1161

"Nitric Oxide: A New Paradigm for Second Messengers", James F. Kerwin, Jr., Journal of Medicinal Chemistry, 1995, Vol. 38, No. 22, pages 4343-4362

"Human Coronary Arteriolar Dilation to Arachidonic Acid Depends on Cytochrome P-450 Monooxygenase and Ca<sup>2+</sup>-Activated K<sup>+</sup> Channels", Hiroto Miura, et al., Circ. Res. 1998;83;501-507

"Endothelium-Derived Hyperpolarizing Factor: Identification and Mechanisms of Action in Human Subcutaneous Resistance Arteries", Paul Coats, et al., Circulation 2001;103;1702-1708

"Characterization of endothelium-derived hyperpolarizing factor in the human forearm microcirculation", Julian P.J. Halcox, et al., Am J Physiol Heart Circ Physiol 280: H2470-H2477, 2001

"Endothelium-Dependent Hyperpolarization as a Remote Anti-Atherogenic Mechanism", Stavros Selemidis, et al., TRENDS in Pharmacological Sciences, Vol. 23, No. 5, May 2002, pages 213-220

"Pharmacological Aspects of Erectile Dysfunction", John A. Thomas, Jpn. J. Pharmacol. 89, 101-112 (2002)

"Effects of Calcium Dobesilate on the Synthesis of Endothelium-Dependent Relaxing Factors in Rabbit Isolated Aorta", E. Ruiz, et al., British Journal of Pharmacology (1997) 121, 711-716

"In Vitro Effects of Calcium Dobesilate on the Responsiveness of Spontaneously Diabetic Rat Aorta", Mercedes Sanz, et al., Jpn. J. Pharmacol. 78, 391-394 (1998)

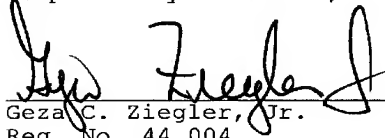
"Dobesilate Enhances Endothelial Nitric Oxide Synthase-Activity in Macro- and Microvascular Endothelial Cells", Christoph Suschek, et al., British Journal of Pharmacology (1997) 122, 1502-1508

Copies of these patents are enclosed together with a Form PTO-1449.

The filing of this Statement is not to be construed as a representation that a search has been made regarding the claimed invention (37 C.F.R. §1.97(g)) or that no other possible material information exists. In addition, the filing of this Information Disclosure Statement is not to be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability (37 C.F.R. §1.97(h)).

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,



Geza C. Ziegler, Jr.  
Reg. No. 44,004

28 September 2004  
Date

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**INFORMATION DISCLOSURE  
CITATION FORM FOR  
PATENT APPLICATION  
(FORM PTO-1449)  
(Substitute)**

Docket No.: 785-012247-US (PAR)

Serial No.: 10/536,780

Applicant(s): Esteve-Soler, et al.

Filing Date: 5/26/05

Group:

**U.S. PATENTS**

Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date

**U.S. PATENT PUBLICATIONS**

Initials	Publication No.	Pub. Date	Name	Class	Sub-class	Filing Date

**FOREIGN PATENT DOCUMENTS**

Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a

**OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)**

	"Consequences of Reduced Production of NO on Vascular Reactivity of Porcine Coronary Arteries After Angioplasty: Importance of EDHF", Catherine Thollon, et al., British Journal of Pharmacology (2002) 136, 1153-1161
	"Nitric Oxide: A New Paradigm for Second Messengers", James F. Kerwin, Jr., Journal of Medicinal Chemistry, 1995, Vol. 38, No. 22, pages 4343-4362
	"Human Coronary Arteriolar Dilation to Arachidonic Acid Depends on Cytochrome P-450 Monooxygenase and Ca <sup>2+</sup> -Activated K <sup>+</sup> Channels", Hiroto Miura, et al., Circ. Res. 1998;83:501-507
	"Endothelium-Derived Hyperpolarizing Factor: Identification and Mechanisms of Action in Human Subcutaneous Resistance Arteries", Paul Coats, et al., Circulation 2001;103:1702-1708
	"Characterization of endothelium-derived hyperpolarizing factor in the human forearm microcirculation", Julian P.J. Halcox, et al., Am J Physiol Heart Circ Physiol 280: H2470-H2477, 2001
	"Endothelium-Dependent Hyperpolarization as a Remote Anti-Atherogenic Mechanism", Stavros Selemidis, et al., TRENDS in Pharmacological Sciences, Vol. 23, No. 5, May 2002, pages 213-220
	"Pharmacological Aspects of Erectile Dysfunction", John A. Thomas, Jpn. J. Pharmacol. 89, 101-112 (2002)
	"Effects of Calcium Dobesilate on the Synthesis of Endothelium-Dependent Relaxing Factors in Rabbit Isolated Aorta", E. Ruiz, et al., British Journal of Pharmacology (1997) 121, 711-716
	"In Vitro Effects of Calcium Dobesilate on the Responsiveness of Spontaneously Diabetic Rat Aorta", Mercedes Sanz, et al., Jpn. J. Pharmacol. 78, 391-394 (1998)
	"Dobesilate Enhances Endothelial Nitric Oxide Synthase-Activity in Macro- and Microvascular Endothelial Cells", Christoph Suschek, et al., British Journal of Pharmacology (1997) 122, 1502-1508

Examiner's Signature:

Date Considered:

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.

Include a copy of this citation form with your next correspondence to the Applicant(s).

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